

Work Order ID 153423

Monday, November 21, 2016 11:33:45 AM

153423

Page 1

Ship March 22

~~Offshore~~

Item ID: D119-646-113 Accept

N900040100

Setup Start ***NS1***

Revision ID:

Stop ***NS2***

Item Name: AW119 Skidtube with Wearplates & Wearpads, Float Compatible - LH

Start Date: 11/21/2016 Start Qty: 1.00 ***1***

Cust Item ID:

Required Date: 12/3/2016 Req'd Qty: 1.00 ***1***

Customer:

Reference: 10/3/2017 22/3/2017 *mf*

Approvals: Process Plan: **DAS 21 9-89** Date: NOV 22 2016

Tooling:

Date:

Run Start ***NR1***

QC: Date: SPC (Y/N):

Date:

Stop ***NR2***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
Draw Nbr	Revision Nbr								
IIN-D119-646	C	MAR 08 2017						DAS 21 9-89	17-03-08
100	Document Control	0.00							
100									
DC	Memo	0.00							
Doc.Control -USB or Paperwork	Photocopy bluefile & type labels per PPP D119-646-113 CHG005								
								DAS 27 9-89	MAR 15 2017
110	Pick Kit	0.00							
110									
Packaging	Memo	0.00							
Packaging									
								DAS 6 9-89	MAR 08 2017
								DAS 28 9-89	
120	QC4- 100% Inspect kits for completeness	0.00							
120									
QC	Memo	0.00							
Quality Control									
								DAS 27 9-89	MAR 15 2017

B154244 RH

DQA: _____ Date: _____

WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date : _____		Step #: _____		QTY Effective : _____			MRB (QSI042) Approval 		
Description Work Order Deviation				Disposition					
							Completed By 		
							Lead hand / Supervisor Approval Verification 		
QC / QA Coordinator Approval 									

Root Cause				FAULT CATEGORY			
Environment ☐	Design ☐	Doc/Data ☐	Equip/Tooling ☐	Pressure/Forced ☐	Temperature/Cure ☐	Power Loss/Surge ☐	Positioned Wrong ☐
Handling/Pre ☐	Material ☐	Internal Transport ☐	Tribal Knowledge ☐	Bending ☐	Set-up ☐	Folio/Program ☐	Outside Dimensions ☐
LOA ☐	Substation ☐	Past Expiry Date ☐	Misidentified ☐	Centre Not Concentric ☐	BOM/Route ☐	Grain ☐	Over/Under tolerance ☐
				Cracks ☐	Broken/Damage/Defect ☐	Weld ☐	Part Incorrect ☐
				Crimp/Kink/Ripple/Wave ☐	Inspection Incomplete/Unqualified ☐	Wrong Stock Pulled ☐	Part Lost/Missing ☐
				Cuffs ☐	Contamination ☐	Out of Sequence ☐	Part Moved ☐
				Crushing ☐	Countersink ☐	Off-set ☐	Drawing ☐
				Heat Treat ☐	Cut Too Short ☐	Mislabeled ☐	Finish ☐
				Wave/Twist in Tube ☐	Instructions Incomplete/Unclear ☐	Fit/Function ☐	Misread ☐
				Marks/Chatter ☐	Drill Holes ☐	Misaligned/off center ☐	Turning Sequence ☐
No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐				OTHER : _____			

Work Order ID 153423***153423***

Page 2

Monday, November 21, 2016 11:33:45 AM

Item ID: D119-646-113

Accept

N900040100

Setup Start

NS1

Revision ID:

Stop

NS2

Item Name: AW119 Skidtube with Wearplates & Wearpads, Float Compatible - LH

Start Date: 11/21/2016 Start Qty: 1.00

1

Cust Item ID:

Required Date: 12/5/2016 Req'd Qty: 1.00

1

Customer:

Reference:

Approvals:

Process Plan: _____

Date: _____

Tooling: _____

Date: _____

Run Start

NR1

QC: _____

Date: _____

SPC (Y/N): _____

Date: _____

Stop

NR2Sequence ID/
Work Center IDOperation
DescriptionSet Up/
Run Hours

Tool ID

Tool #

Plan
CodeAccept
QtyReject
QtyReject
NumberInsp.
Stamp

130

0.00

130

Packaging

Memo

0.00

Identify and pack for shipping as per PPP D119-646-113

Location: _____

PPP rev: _____

DAS
27
9-89

MAR 15 2017

140

QC21- Final Inspection - Work Order Release

0.00

140

QC

Memo

0.00

Quality Control

DAS
21
9-89

MAR 16 2017

DAS
21
9-89

MAR 16 2017

DQA: _____ Date: _____

WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date : _____		Step #: _____		QTY Effective : _____			MRB (QSI042) Approval Completed By Lead hand / Supervisor Approval Verification QC / QA Coordinator Approval		

Picklist Print

Monday, November 21, 2016 11:33:48 AM

Page 1

Work Order ID: 153423

153423

Parent Item: D119-646-113

D119-646-113

Parent Item Name: AW119 Skidtube with Wearplates & Wearpads, Float Compatible - LH

Start Date: 11/21/2016

Required Date: 12/5/2016

Start Qty: 1.00

Required Qty: 1.00

Comments: IPP RevA: New issue DD verified by:EC
12.11.05 raise to chg002 (ECN 12-675) DD verf:JLM IPP REV:C 13.03.20
raise to chg003 (ECN 13-534) DD verf:JLM IPP REV:D 14.11.25 chg004
(ECN 14-628) DD verf:JLM IPP REV:B

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
---------------------------------	------------------------	---------------	-------------	---------------------	------------------	-----------------	--------------------	----------------	-------------	--------------	---------------	----------------	--------

D119-646-143		Manufactured	No			110	Each	1.0000	1	1			
D119-646-143													
AW119 Repl. Skidtube with Wearplates & Wearpads, Float Comp. - Fits LH or RH													

Location	Loc Qty	Loc Code
FG	1	
129468	1	

D119-646-311		Manufactured	No			110	Each	2.0000	1	1			
D119-646-311													
Ground Handling													

Location	Loc Qty	Loc Code
ST636a	2	
152317	2	

D3883-1		Manufactured	No			110	Each	1.0000	2	2			
D3883-1													
Saddle, Outboard LH													

Location	Loc Qty	Loc Code
ST404	1	
151976	1	

D3884-1		Manufactured	No			110	Each	1.0000	2	2			
D3884-1													
Saddle, Inside LH													

Location	Loc Qty	Loc Code
ST404	1	
151433	1	

DQA: _____ Date: _____

WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐			
Date : _____	Step #: _____	QTY Effective : _____		MRB (QSI042) Approval	
Description Work Order Deviation		Disposition			
				Completed By	
				Lead hand / Supervisor Approval Verification	
				QC / QA Coordinator Approval	
Root Cause Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐ No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐		FAULT CATEGORY Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐ Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐ Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Mislabeled ☐ Fit/Function ☐ Misaligned/off center ☐ Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐			
OTHER : _____					

Picklist Print

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Page 2

Work Order ID: 153423

153423

Parent Item: D119-646-113

D119-646-113

Parent Item Name: AW119 Skidtube with Wearplates & Wearpads, Float Compatible - LH

Start Date: 11/21/2016

Required Date: 12/5/2016

Start Qty: 1.00

Required Qty: 1.00

D2652 Manufactured No 110 Each 490.0000 16 16

D2652

Bushing

**

MAR 08 2017

DAS 28
6 9-89

Location

Loc Qty

Loc Code

FG 44
31985 44
ST010 36
152312 36
ST012a 410
150988 410

153809

AN3C50A

Purchased No

110 Each

51.0000

8

8

AN3C50A

Bolt

**

MAR 08 2017

DAS 28
6 9-89

Location

Loc Qty

Loc Code

ST346 51
m136025 51

136348

AN4C6A

Purchased No

110 Each

517.0000

12

12

AN4C6A

Bolt

**

MAR 08 2017

DAS 28
6 9-89

Location

Loc Qty

Loc Code

FG 14
103344 4
121657 10
OVER002 425
m135603 75
m135979 50
m136047 300
ST345 78
m135297 10
m135470 68

12

Monday, November 21, 2016 11:33:48 AM

Shop Packet Print

Page 2

DQA: _____ Date: _____

WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐			
Date : _____	Step #: _____	QTY Effective : _____		MRB (QSI042) Approval	
Description Work Order Deviation		Disposition			
				Completed By	
				Lead hand / Supervisor Approval Verification	
				QC / QA Coordinator Approval	
Root Cause Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐ No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐		FAULT CATEGORY Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐ Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐ Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Mislabeled ☐ Fit/Function ☐ Misaligned/off center ☐ Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐			
OTHER : _____					

Picklist Print

Monday, November 21, 2016 11:33:48 AM

Page 3

Work Order ID: 153423

153423

Parent Item: D119-646-113

D119-646-113

Parent Item Name: AW119 Skidtube with Wearplates & Wearpads, Float Compatible - LH

Start Date: 11/21/2016

Required Date: 12/5/2016

Start Qty: 1.00

Required Qty: 1.00

MS21250-05-006 Purchased No

110 Each

38.0000

8

8

MS21250-05-006

BOLT

**

MAR 08 2017

DAS 28 9-89

DAS 6 9-89

DAS 27 9-89

Location

Loc Qty

Loc Code

FG

10

124291

10

ST295

28

M133234

28

NAS1149C0332R

Purchased

No

110

Each

3,484.000

20

20

NAS1149C0332R

WASHER

**

MAR 08 2017

DAS 28 9-89

DAS 6 9-89

DAS 27 9-89

Location

Loc Qty

Loc Code

FP001

842

m135672

530

m135948

312

GA

86

m133284

86

ST260a

1500

m135466

1000

m136042

500

ST266

1056

m135408

356

m135766

500

m135908

200

NAS1149C0432R

Purchased

No

110

Each

1,115.000

24

24

NAS1149C0432R

WASHER

**

MAR 08 2017

DAS 28 9-89

DAS 6 9-89

DAS 27 9-89

Location

Loc Qty

Loc Code

GA

373

m134676

373

ST266

742

m135979

742

Monday, November 21, 2016 11:33:48 AM

Shop Packet Print

Page 3

DQA: _____ Date: _____

WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :			MRB (QSI042) Approval 		
Description Work Order Deviation				Disposition					
							Completed By Lead hand / Supervisor Approval Verification		
							QC / QA Coordinator Approval		

Root Cause				FAULT CATEGORY			
Environment ☐	☐	No Re-verification ☐	☐	Pressure/Forced ☐	☐	Temperature/Cure ☐	☐
Design ☐	☐	Operator ☐	☐	Bending ☐	☐	Set-up ☐	☐
Doc/Data ☐	☐	Offset/Setup ☐	☐	Centre Not Concentric ☐	☐	BOM/Route ☐	☐
Equip/Tooling ☐	☐	Supplier ☐	☐	Cracks ☐	☐	Broken/Damage/Defect ☐	☐
Handling/Pre ☐	☐	Training ☐	☐	Crimp/Kink/Ripple/Wave ☐	☐	Inspection Incomplete/Unqualified ☐	☐
Material ☐	☐	Use for Testing ☐	☐	Cuffs ☐	☐	Contamination ☐	☐
Internal Transport ☐	☐	Poor Information ☐	☐	Crushing ☐	☐	Countersink ☐	☐
Tribal Knowledge ☐	☐	Rushing ☐	☐	Heat Treat ☐	☐	Cut Too Short ☐	☐
LOA ☐	☐	Product Improvement ☐	☐	Wave/Twist in Tube ☐	☐	Instructions Incomplete/Unclear ☐	☐
Substation ☐	☐	Process Improvement ☐	☐	Marks/Chatter ☐	☐	Drill Holes ☐	☐
Past Expiry Date ☐	☐	Manufacturing Process ☐	☐	OTHER : _____			
Misidentified ☐	☐	Past Due ☐	☐				

Picklist Print

Monday, November 21, 2016 11:33:48 AM

Work Order ID: 153423

153423

Parent Item: D119-646-113

D119-646-113

Parent Item Name: AW119 Skidtube with Wearplates & Wearpads, Float Compatible - LH

Start Date: 11/21/2016

Required Date: 12/5/2016

Start Qty: 1.00

Required Qty: 1.00

NAS1149C0532R

Purchased

No

110

Each

308.0000

8

8

NAS1149C0532R

WASHER

**

MAR 08 2017

DAS

DAS 28
9-89

6
9-89

Location

Loc Qty

Loc Code

FP001

10

m135390

10

GA

50

116513

50

ST266

248

m135390

148

m135966

100

MS21043-3

Purchased

No

110

Each

828.0000

8

8

MS21043-3

Nut

**

MAR 08 2017

DAS

DAS 28
9-89

Location

Loc Qty

Loc Code

CCK007

400

m135864

400

FG

80

103691

80

FP001

11

m130673

11

GA

45

m133990

45

ST302

223

m135704

223

ST304

69

m131340

69

136295

DQA: _____ Date: _____

WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐			
Date : _____	Step #: _____	QTY Effective : _____		MRB (QSI042) Approval	
Description Work Order Deviation		Disposition		Completed By	
				Lead hand / Supervisor Approval Verification	
				QC / QA Coordinator Approval	
Root Cause		FAULT CATEGORY			
Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐	No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐	Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐	Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐	Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Mislabeled ☐ Fit/Function ☐ Misaligned/off center ☐	Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐
OTHER : _____					

Picklist Print

Monday, November 21, 2016 11:33:48 AM

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Work Order ID: 153423

153423

Parent Item: D119-646-113

D119-646-113

Parent Item Name: AW119 Skidtube with Wearplates & Wearpads, Float Compatible - LH

Start Date: 11/21/2016

Required Date: 12/5/2016

Start Qty: 1.00

Required Qty: 1.00

MS21043-4

Purchased

No

110

Each

757.0000

13

13

MS21043-4

Nut

**

MAR 08 2017

DAS 28 9-89

Location

Loc Qty

Loc Code

FG

40

104603

40

GA

17

m132803

17

over003

400

m136148

400

ST302

300

m135600

300

4

134192x9

D2712

Manufactured

No

110

Each

208.0000

12

12

D2712

Set Screw

**

MAR 08 2017

DAS 28 9-89

Location

Loc Qty

Loc Code

FG

50

29962

50

ST010

158

140532

9

149832

1

151290

38

152321

100

89929

10

152870

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date : _____		Step #: _____		QTY Effective : _____			MRB (QSI042) Approval 		
Description Work Order Deviation				Disposition					
							Completed By		
							Lead hand / Supervisor Approval Verification		
					QC / QA Coordinator Approval				
Root Cause				FAULT CATEGORY					
Environment ☐	No Re-verification ☐	Pressure/Forced ☐	Temperature/Cure ☐	Power Loss/Surge ☐	Positioned Wrong ☐				
Design ☐	Operator ☐	Bending ☐	Set-up ☐	Folio/Program ☐	Outside Dimensions ☐				
Doc/Data ☐	Offset/Setup ☐	Centre Not Concentric ☐	BOM/Route ☐	Grain ☐	Over/Under tolerance ☐				
Equip/Tooling ☐	Supplier ☐	Cracks ☐	Broken/Damage/Defect ☐	Weld ☐	Part Incorrect ☐				
Handling/Pre ☐	Training ☐	Crimp/Kink/Ripple/Wave ☐	Inspection Incomplete/Unqualified ☐	Wrong Stock Pulled ☐	Part Lost/Missing ☐				
Material ☐	Use for Testing ☐	Cuffs ☐	Contamination ☐	Out of Sequence ☐	Part Moved ☐				
Internal Transport ☐	Poor Information ☐	Crushing ☐	Countersink ☐	Off-set ☐	Drawing ☐				
Tribal Knowledge ☐	Rushing ☐	Heat Treat ☐	Cut Too Short ☐	Mislabeled ☐	Finish ☐				
LOA ☐	Product Improvement ☐	Wave/Twist in Tube ☐	Instructions Incomplete/Unclear ☐	Fit/Function ☐	Misread ☐				
Substation ☐	Process Improvement ☐	Marks/Chatter ☐	Drill Holes ☐	Misaligned/off center ☐	Turning Sequence ☐				
Past Expiry Date ☐	Manufacturing Process ☐	OTHER : _____							
Misidentified ☐	Past Due ☐								

Picklist Print

Monday, November 21, 2016 11:33:48 AM

Work Order ID: 153423

153423

Parent Item: D119-646-113

D119-646-113

Parent Item Name: AW119 Skidtube with Wearplates & Wearpads, Float Compatible - LH

Start Date: 11/21/2016

Required Date: 12/5/2016

Start Qty: 1.00

Required Qty: 1.00

D3672-7 Manufactured No 110 Each 817.0000 24 24

D3672-7

Washer, Phenolic

**

DAS 28 9-80
DAS 6 9-8

MAR 08 2017

Location Loc Qty Loc Code

FG	40
129987	25
133986	15
ST049	277
150867	277
ST051A	500
152458	500

DAS 27 9-89

D3672-3 Manufactured No 110 Each 844.0000 24 24

D3672-3

Washer, Phenolic

**

DAS 28 9-80
DAS 6 9-89

MAR 08 2017

Location Loc Qty Loc Code

FG	100
133083	52
134449	48
FP001	213
132639	213
ST049	31
149295	31
ST051A	500
151298	500

DAS 27 9-89

153292

D3407-041 Manufactured No 110 Each 2.0000 1 1

D3407-041

Tow Ring

**

DAS 28 9-80
DAS 6 9-89

MAR 08 2017

Location Loc Qty Loc Code

st530	2
151431	2

DAS 27 9-89

150908

DQA: _____ Date: _____

WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :			MRB (QSI042) Approval Completed By Lead hand / Supervisor Approval Verification QC / QA Coordinator Approval		
Description Work Order Deviation				Disposition					
Root Cause Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐ No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐		FAULT CATEGORY Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐ Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐ Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Mislabeled ☐ Fit/Function ☐ Misaligned/off center ☐ Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐		OTHER : _____					

Picklist Print

Page 7

Monday, November 21, 2016 11:33:48 AM

Work Order ID: 153423

153423

Parent Item: D119-646-113

D119-646-113

Parent Item Name: AW119 Skidtube with Wearplates & Wearpads, Float Compatible - LH

Start Date: 11/21/2016

Required Date: 12/5/2016

Start Qty: 1.00

Required Qty: 1.00

D3417-5 Manufactured No 110 Each 59.0000 2 2

D3417-5

Washer

**

MAR 08 2017

DAS 28 9-89

DAS 27 9-89

Location Loc Qty Loc Code

ST035 19

149255 19

ST038A 40

151493 40

152860

D3456-1 Manufactured No 110 Each 87.0000 1 1

D3456-1

Washer

**

MAR 08 2017

DAS 28 9-89

DAS 27 9-89

Location Loc Qty Loc Code

FG 7

25701 7

ST037 80

150652 31

151938 49

153548

AN3C45A Purchased No 110 Each 46.0000 6 6

AN3C45A

BOLT

**

MAR 08 2017

DAS 28 9-89

DAS 27 9-89

Location Loc Qty Loc Code

ST346 46

122843 6

125045 40

6

Monday, November 21, 2016 11:33:48 AM

Shop Packet Print

Page 7

DQA: _____ Date: _____

WORK ORDER NON-CONFORMANCE / UPDATE



QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coor. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date : _____		Step #: _____		QTY Effective : _____			MRB (QSI042) Approval Completed By Lead hand / Supervisor Approval Verification QC / QA Coordinator Approval		
Description Work Order Deviation				Disposition					
Root Cause Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐ No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐		FAULT CATEGORY Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐ Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐ Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Mislabeled ☐ Fit/Function ☐ Misaligned/off center ☐ Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐							
		OTHER : _____							

6.2 Float Skidtubes

Item	Qty -013	Qty -014	Qty -113	Qty -114	Qty -213	Qty -214	Qty -043	Qty -143	Qty -153	Qty -243	Qty -253	Qty -311	Part Number	Description
	X												D119-646-013	FLOAT SKIDTUBE INSTALLATION WITH WEARPADS, LH
		X											D119-646-014	FLOAT SKIDTUBE INSTALLATION WITH WEARPADS, RH
			X										D119-646-113	FLOAT SKIDTUBE INSTALLATION WITH FULL LENGTH WEARPLATES & WEARPADS, LH
				X									D119-646-114	FLOAT SKIDTUBE INSTALLATION WITH FULL LENGTH WEARPLATES & WEARPADS, RH
					X								D119-646-213	FLOAT SKIDTUBE INSTALLATION WITH TRAINING WEARPLATES, LH
						X							D119-646-214	FLOAT SKIDTUBE INSTALLATION WITH TRAINING WEARPLATES, RH
	1	1					X						D119-646-043	REPLACEMENT FLOAT SKIDTUBE WITH WEARPADS
			1	1				X					D119-646-143	REPLACEMENT FLOAT SKIDTUBE WITH FULL LENGTH WEARPLATES & WEARPADS
									X				D119-646-153	WEARPLATE KIT STANDARD SKIDTUBE
					1	1				X			D119-646-243	REPLACEMENT FLOAT SKIDTUBE WITH TRAINING WEARPLATES
											X		D119-646-253	TRAINING WEARPLATES FLOAT SKIDTUBE
	1	1	1	1	1	1						X	D119-646-311	GROUND HANDLING KIT
1							1						D3905-041	FLOAT SKIDTUBE ASSY. WITH WEARPAD
20								1					D3905-043	FLOAT SKIDTUBE ASSY. WITH WEARPLATE & WEARPAD
26									1				D3847-043	FWD WEARPLATE ASSY
27									1				D3847-045	CENTER WEARPLATE ASSY
28									1				D3847-049	AFT WEARPLATE ASSY
29									8				D3847-1	WEARPAD
30									1				D3847-11	WEARPAD
31									42				AN3C5A	BOLT
32									42				AN960C10L	WASHER (OR NAS1149C0332R)
40										1			D3905-045	FLOAT SKIDTUBE ASSY. TRAINING WEARPLATE
44											1		D3849-047	FWD TRAINING WEARPLATE ASSY
45											1		D3849-045	AFT TRAINING WEARPLATE ASSY
48											1		D3847-1	WEARPAD
49											1		D3847-11	WEARPAD
51											16		D3904-1	WASHER
52											8		AN3C46A	BOLT
53											8		MS21043-3	NUT
54											10		AN3C5A	BOLT
55											10		AN960C10L	WASHER (OR NAS1149C0332R)
60	2		2		2								D3883-1	SADDLE, OUTSIDE, LH
61		2		2		2							D3883-2	SADDLE, OUTSIDE, RH
62	2		2		2								D3884-1	SADDLE, INSIDE, LH
63		2				2							D3884-2	SADDLE, INSIDE, RH
64	16	16	16	16	16	16							D2852	BUSHING
65	8	8	8	8	8	8							AN3C50A	BOLT
66	12	12	12	12	12	12							AN4C6A	BOLT
67	8	8	8	8	8	8							MS21250-05006	BOLT
68	8	8	8	8	8	8							AN960C10L	WASHER (OR NAS1149C0332R)
69	24	24	24	24	24	24							AN960C416L	WASHER (OR NAS1149C0432R)

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Revision: C

Date: 13.08.16

Item	Qty -013	Qty -014	Qty -113	Qty -114	Qty -213	Qty -214	Qty -043	Qty -143	Qty -153	Qty -243	Qty -253	Qty -311	Part Number	Description
70	8	8	8	8	8	8							AN960C516L	WASHER (OR NAS1149C0532R)
71	8	8	8	8	8	8							MS21043-3	NUT
72	12	12	12	12	12	12							MS21043-4	NUT
73	12	12	12	12	12	12							D2712	SET SCREW
74	16	16	16	16	16	16							D3672-7	WASHER
75	24	24	24	24	24	24							D3672-3	WASHER
76	8	8	8	8	8	8							D3672-7	WASHER
80	1	1	1	1	1	1							D3407-041	TOW RING
81	2	2	2	2	2	2							D3417-5	WASHER
82	1	1	1	1	1	1							D3456-1	WASHER
83	1	1	1	1	1	1							MS21043-4	NUT
90												2	D3886-041	LUG ASSEMBLY
91												8	D2652	BUSHING
92												4	AN3C46A	BOLT
93												4	AN960C10L	WASHER (OR NAS1149C0332R)
94												4	MS21043-3	NUT
100	3	3	3	3									AN3C46A	BOLT
101					(3)	(3)							AN3C50A	BOLT
102	3	3	3	3									AN3C46A	BOLT
103					(3)	(3)							AN3C46A	BOLT
104					(9)	(9)							D3904-1	WASHER
109	12	12	12	12	(3)	(3)							AN960C10L	WASHER (OR NAS1149C0332R)
110	6	6	6	6	(6)	(6)							MS21043-3	NUT
111	(3)	(3)	(3)	(3)	(3)	(3)							D5101-041	CROSSBOLT SPACER ASSY
112	(6)	(6)	(6)	(6)	(6)	(6)							D5101-3	INSERT
113	(6)	(6)	(6)	(6)	(6)	(6)							D5101-5	INSERT
114	(3)	(3)	(3)	(3)	(3)	(3)							AN4-46A	BOLT
115	(6)	(6)	(6)	(6)	(6)	(6)							NAS1149D0416J	WASHER
116	(3)	(3)	(3)	(3)	(3)	(3)							MS21043-4	NUT

() ITEMS IN BRACKETS ARE REF. ONLY AND DO NOT NEED TO BE INCLUDED WITH KIT.
AS THEY ARE ALREADY INSTALLED ON SKIDTUBE.